



Continental Shelf Associates, Inc.

"Applied Science and Technology"

9-18-01

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13 September 2001

Mr. Barry S. Drucker
Contracting Officer's Technical Representative
U.S. Department of the Interior
Minerals Management Service
International Activities and Marine Minerals Division (INTERMAR)
381 Elden Street, Mail Stop 4030
Herndon, Virginia 20170-4817

Subject: Progress Report 9 for MMS Contract No. 1435-01-00-CT-31044

Project Title: Environmental Surveys of Potential Borrow Areas on the East Florida Shelf and the Environmental Implications of Sand Removal for Coastal and Beach Restoration

Dear Mr. Drucker:

This letter serves as Progress Report 9 for Contract No. 1435-01-00-CT-31044, Environmental Surveys of Potential Borrow Areas on the East Florida Shelf and the Environmental Implications of Sand Removal for Coastal and Beach Restoration. The contract award date was April 3, 2000. This report covers the period July 11 to September 13, 2001.

1. Summary of Work Accomplished: The Fall Physical Survey was rescheduled and conducted. Analyses of samples and data from the Biological and Physical Surveys continued.

Task 1a. Field Data Collection (Fall 2000): Biological Survey 1 was previously completed. The first ADCP survey completed about 10 hours of data collection before the survey was cancelled due to inclement marine weather conditions. Data collection for the Fall Physical Survey was rescheduled and conducted during September 4-6, 2001.

Task 1b. Field Data Collection (Spring 2001): Biological Survey 2 and Physical Survey 2 were previously conducted. Hard/live bottom photodocumentation will be collected in the future when an appropriate weather window and low turbidity conditions exist.

Task 1c. Data Analyses: Sediment and infaunal samples from Biological Survey 2 are being analyzed. Analysis of ADCP data collected during the rescheduled Physical Survey 1 has commenced and will continue for Physical Survey 2.

Task 2. Coordination with the FGS and Collection of Relevant Data: The FGS is preparing a report concerning the laboratory analyses of the sediment samples collected during Biological Survey 2.

Task 3. Draft and Final Technical Report: The Draft Technical Report is due April 3, 2002 (24 months after contract award).

Task 4. Draft and Final Executive Summary: This task will commence after the Final Technical Report has been reviewed by MMS personnel.

Task 5. Draft and Final Technical Summary: This task will commence after the Final Technical Report has been reviewed by MMS personnel.

Task 6. Draft and Final Non-Technical Summary: This task will commence after the Final Technical Report has been reviewed by MMS personnel.

Task 7. Draft and Final Scientific Manuscript: This task will commence after the Final Technical Report is produced.

Task 8. Presentation at MMS Information Transfer Meeting: This task will commence after the Final Technical Report is produced.

Task 9. Presentation at Technical Conference: This task will commence after the Final Technical Report is produced.

Task 10. Bi-Monthly Progress Reports: This is Progress Report 9 of 16 over the lifetime of the project.

Task 11. Presentation Slide Set: Photographs were taken during the first and second Biological and Physical Surveys. This task will be completed after the Final Technical Report is produced.

Task 12. Meetings: No meetings.

Task 13. Program Management and Control Requirements: Close communication occurred between the Contracting Officer's Technical Representative from MMS and the Project Manager from CSA. Frequent contact among CSA, Applied Coastal, BVA, and FGS personnel enhanced project implementation.

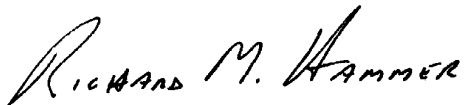
Task 14. Data Management: All field data collection and analyses, as well as existing data analyses and numerical modeling efforts, follow the highest quality control and assurance standards to ensure data quality and proper analysis procedures. Data collected during the field surveys will be catalogued for efficient access during the analysis phase, and all field and laboratory notes will be reviewed and archived for future use.

Task 15. Spatial Data Files: Spatial data files will be submitted with the Final Technical Report.

2. **Significant Problems:** No significant problems have been identified for this time period.
3. **Major Technical Findings:** Technical findings related to field data collection and analysis, as well as desktop efforts, will be documented in the Technical Report.
4. **Major Activities for Next Two Months:** Analyses associated with samples and data from the Spring Biological Survey and the Fall and Spring Physical Surveys will continue. Plans will be made for collecting hard/live bottom photodocumentation. Physical process analyses associated with wave transformation modeling will continue.

If you have any questions concerning this Progress Report, please contact me at (561) 746-7946 (voice), (561) 747-2954 (fax), or via e-mail at rhammer@conshelf.com.

Sincerely,

A handwritten signature in black ink that reads "Richard M. Hammer". The signature is written in a cursive, flowing style.

Richard M. Hammer, Ph.D.
Project Manager

cc: Chief, Branch of Environmental Studies
Mrs. Jane M. Carlson, Contracting Officer